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MEAN WELL

SWITCHING POWER SUPPLY

ISO-9001 CERTIFIED MANUFACTURER

P30B -SINGLE SERIES

Jameco Part Number 195768

- .FULL RANGE AC INPUT
- .COMPACT SIZE, LIGHT WEIGHT
- .FULLY ENCLOSED PLASTIC CASE
- .100% FULL LOAD BURN-IN TEST
- .LED INDICATE FOR POWER ON
- .SHORT CIRCUIT PROTECTED
- .OVER LOAD PROTECTION
- .OVER TEMP. PROTECTED
- .OVER VOLTAGE PROTECTED
- .APPROVALS:UL/CUL/TUV/CB/CE
- .MTBF:500000HRS BY MIL-HDBK-217F, NOTICE 2, PARTS COUNT

TYPE NO. / SPECIFICATION	P30B-0P2J	P30B-1P2J	P30B-1-1P2J	P30B-2P2J	P30B-3P2J	P30B-4P2J	P30B-5P2J	P30B-6P2J	P30B-8P2J
SAFETY MODEL NO.	PSU30B-0	PSU30B-1	PSU30B-1-1	PSU30B-2	PSU30B-3	PSU30B-4	PSU30B-5	PSU30B-6	PSU30B-8
DC OUTPUT VOLTAGE	3.3V	5V	7.5V	9V	12V	15V	18V	24V	48V
OUTPUT V. TOLERANCE	±5%	±5%	±5%	±5%	±3%	±3%	±3%	±3%	±2%
OUTPUT RATED CURRENT	3.63A	4A	3.06A	2.89A	2.25A	1.80A	1.50A	1.12A	0.56A
OUTPUT CURRENT RANGE	0-3.63A	0-4A	0-3.06A	0-2.89A	0-2.25A	0-1.80A	0-1.50A	0-1.12A	0-0.56A
RIPPLE & NOISE (p-p)	50mV	50mV	80mV	80mV	80mV	100mV	100mV	150mV	150mV
LINE REGULATION	±1%	±1%	±1%	±1%	±1%	±1%	±1%	±1%	±1%
LOAD REGULATION	±5%	±5%	±5%	±5%	±3%	±3%	±3%	±3%	±2%
DC OUTPUT POWER	12W	20W	23W	26W	27W	27W	27W	27W	27W
EFFICIENCY	65%	70%	72%	74%	75%	78%	78%	80%	82%

DC VOLTAGE ADJ.	FIXED
INPUT VOLTAGE RANGE	90~264VAC 47~63Hz
AC CURRENT	1A/230VAC
AC INPUT CONNECTOR	IEC320-C8, 2PIN INLET
INRUSH CURRENT	COLD START < 60A PEAK @ 230VAC
OVERLOAD PROTECTION	PULSING MODE, RESET:AUTO RECOVERY
OVER VOLTAGE PROTECTION	110~140%
OVER TEMP. PROTECTION	IC1Tj135°C TYPICALLY POWER SHUTDOWN
TEMP. COEFFICIENT	±0.03%/°C(0~50°C)
SETUP, RISE, HOLD UP TIME	200ms, 50ms, 16ms
VIBRATION	10~500Hz, 2G 10min./1cycle, PERIOD FOR 60min. EACH AXES
WITHSTAND VOLTAGE	I/P-O/P:3KVAC FOR 1min.
ISOLATION RESISTANCE	I/P-O/P:100M Ohms min.
WORKING TEMP., HUMIDITY	0°C~+30°C @ 100%LOAD, 40°C @ 70% LOAD, 20%~90% RH
STORAGE TEMP., HUMIDITY	-20°C~+85°C, 10%~95% RH
DIMENSION	108*67*36mm (L*W*H)
WEIGHT; Q'TY/CARTON	0.3Kgs; 54PCS/CARTON
SAFETY STANDARDS	UL1950, CSA22.2, EN60950 APPROVAL
EMC STANDARDS	EN55022 CLASS B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,11,ENV50204 VERIFICATION
LENGTH OF OUTPUT CABLE	180cm OF SPT-1, 18AWG*2C
PLUG OF DC OUTPUT	2.1 X*5.5 X*11mm, CENTER POSITIVE

NOTE :
1. ALL PARAMETERS ARE SPECIFIED AT 230VAC INPUT, RATED LOAD, 25°C 70% RH. AMBIENT.
2. TOLERANCE GINCLUDE SET UP TOLERANCE, LINE REGULATION, LOAD REGULATION.
3. RIPPLE & NOISE ARE MEASURED AT 20MHz BY USING A 12" TWISTED PAIR TERMINATED WITH A 0.1uF & 47uF CAPACITOR.
4. LINE REGULATION IS MEASURED FROM LOW LINE TO HIGH LINE AT RATED LOAD.
5. LOAD REGULATION IS MEASURED FROM 0% TO 100% RATED LOAD.

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